

BRICKLAYER

A student who has completed Job Corps' Bricklayer program is trained and ready to work in this field. To complete a trade, the student must learn the academic and vocational skills required for graduation. Job Corps students also learn good work and personal habits, preparing them for life after Job Corps. To complete the Bricklayer program, a student must master skills in the following categories:

Bricklayer Helper

SAFETY

Demonstrate general shop, tool and equipment safety; define and explain the Material Safety Data Sheet (MSDS).

MASON TENDING

Use hand tools; mix mortars; operate equipment; set up and break down scaffolding; inspect scaffolding for safety problems; stock job to keep it running smoothly.

MASONRY MEASURING AND CUTTING

Operate masonry saw; cut masonry with hammer and brick set; demonstrate toothing masonry; remove mortar joints; use and read a 6-foot rule or tape; read a modular and spacing rule.

BRICK, BLOCK AND STONE

Spread mortar; butter masonry units; lay units to a line; tool and rake out joints.

FIREPLACES (WHERE APPROPRIATE)

Lay out and install a firebox; set dampers and headforms; construct a brick corbel; place a flue liner.

Bricklayer, Pre-Apprentice

(Helper skills plus the following:)

INSTALLATION AND BUILDING

Lay up veneer, lay overhand and a rowlock; install sills, headers and underpainting; build corners, leads, pilasters and piers.

LAYOUT AND BOND

Lay out brick walls, block walls, composite walls and American, English, Flemish and pattern bonds; lay out and install pavers using a paver rack in various patterns.

REINFORCEMENT

Install lateral wall ties, horizontal reinforcements, rebars, lintels and bond beam.

POINTING, CLEANING AND CAULKING

Use acids and detergents for cleaning; demonstrate sand blasting and mortar matching.

GROUTING

Describe use of grouting safety precautions.

Bricklayer, Apprentice

(Pre-Apprentice skills plus the following:)

MEASURING AND LEVELING

Use a story pole, levels and transits; demonstrate the 6-8-10 squaring method.

POINTING, CLEANING AND CAULKING

Demonstrate masonry replacement.

GROUTING

Mix reinforced grout, grouts for structural tile and brick pavers; grout reinforced masonry, structural tile and brick pavers.

